

Abstract

An optical apparatus comprising a color synthesizing prism 500, a plurality of exit-side polarizer plates 920R etc. which are respectively arranged on the light entrance side faces of the color synthesizing prism through entrance-side heat conduction plates, a plurality of liquid-crystal display devices 400R etc. which are respectively arranged on the entrance sides of the plurality of exit-side polarizer plates, and a plurality of entrance-side polarizer plates 918R etc. which are respectively arranged on the entrance sides of the plurality of liquid-crystal display devices, wherein the entrance-side heat conduction plate 926G which is located in the optical path of colored light generating the largest quantity of heat is arranged in heat insulation from the entrance-side heat conduction plates 926R, 926B which are located in the optical paths of the other colored lights, and it is joined to an armoring case 3 through heat conduction members 928, 960, 962. Thus, a projector which is capable of reducing a size and lowering noise and heightening a heat radiation efficiency is provided.

[Selected Drawing] Fig. 5